

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 10/07/2005

DSR Number: 113-05-002R Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 1e
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Town of Erath

Address: 115 West Edwards,

City/State/Zip: Erath, Louisiana

Telephone Number: (337) 937-8401 Fax: (337) 937-5932

Section 1C Site Location Information

County: Vermilion State: Louisiana Congressional District: 7

Latitude: See Below Longitude: See Below Section: 35 Township: 12S Range: 4E

UTM Coordinates: _____
Drainage Name: Bayou Tigre Reach: Upper

Damage Description: Cross-section of channel impaired by storm deposited, vegetative and building debris.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

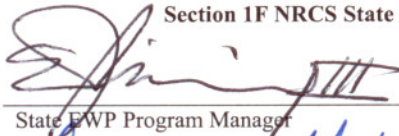
Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Total installation cost identified in this DSR: Section 3: \$ 33,759.34

Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed:

11/14/05

Approved By:


State Conservationist

Date Approved:

11/14/05

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Debris removal using conventional equipment trackhoe along one side of channel	Leave debris in channel	Debris removal using amphibious equipment from within channel
2D Effects of Alternatives				
Soil				
Bank erosion	No Documentation	No Documentation	No Documentation	No Documentation
Mass Movement	No Documentation	No Documentation	No Documentation	No Documentation
Water				
Downstream water rights	Excess debris in channel cross section. Decreased DO problem	Removal of Debris increases DO in channel water	Excess debris decreases DO in channel water.	Removal of Debris increases DO in channel water
DO	Low/potential problem	Improved DO	Low /potential problem	Improved DO
BOD	No Documentation			
SS/Turbidity	Deposited sediment increases chance of turbidity	Removal of debris will increase SS shrt.-term. Improved lng.trm	Deposited sediment increases chance of turbidity	Removal of debris will increase SS shrt.-term. Improved lng.trm
Air				
Dust/particulate matter	no-effect	slight increase during debris removal	little or no effect	moderate increase during debris removal
Plant				
Aquatic health/vigor	Poor due to low water quality	Increased function with improved water quality	Poor due to low water quality	Increased function with improved water quality
Riparian Area	Excess debris causing damage to riparian areas	improved due to debris removal and revegetation	potential for continued damage with next storm event	improved due to debris removal and revegetation
Animal				
Aquatic habitat	Quality reduced due to low water quality	Quality increased emergent vegetation will re-establish	Quality reduced due to low water quality	Quality increased emergent vegetation will re-establish
Upland Habitat	Loss of food/cover due to excessive debris	Removal of debris will improve food cover amounts	Continued loss of food/cover and habitat	Removal of debris will improve food cover amounts
Other				
Aesthetics	Poor due to clutter	Improved	Poor due to clutter	Improved
Vectors	Stagnant water due to low flow because of debris block.	Flushing of stagnant water	Continued stagnant water conditions	Flushing of stagnant water

NEED DOCUMENTATION

DSR NO: 113-05-002R

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA Jurisdiction	CWA Permit needed	Continued loss effect of resources due to debris	CWA Permit needed
Coastal Zone Management Areas	Project is within Coastal Zone	CZM notification and C.U.P needed	Continued loss effect of resources due to debris	CZM notification and C.U.P needed
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTG) none observed on site state level review need	(FOTG) none observed on site state level review need	(FOTG) none observed on site state level review need	(FOTG) none observed on site state level review need
Endangered and Threatened Species	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site	(FOTG) (Federal/State lists) none observed on-site
Environmental Justice	Disproportionate impact on different income levels	Disproportionate impact on different income levels	Disproportionate impact on different income levels	Disproportionate impact on different income levels
Essential Fish Habitat	(FOTG) No EFH NMFS notification needed.	(FOTG) No EFH NMFS notification needed.	(FOTG) No EFH NMFS notification needed.	(FOTG) No EFH NMFS notification needed.
Fish and Wildlife Coordination	State level review by project type with USFWS&LDWF. Permit process.	Will be addressed by permit process	No effect	Will be addressed by permit process
Floodplain Management	Project is in 100 yr. floodplain	100-year floodplain function restored by improved hydrology	100-year floodplain function is impaired due to decreased channel capacity	100-year floodplain function restored by improved hydrology
Invasive Species	Chinese Tallow Tree	Chinese Tallow Tree	Chinese Tallow Tree	Chinese Tallow Tree
Migratory Birds	Food&cover quality reduced by accumulation of storm debris.	Food&cover quality improved by removal of storm debris wading bird habitat increased	Food&cover quality will continue to decrease	Food&cover quality improved by removal of storm debris wading bird habitat increased
Natural Areas	(FOTG) None present	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG) None present	N/A	N/A	N/A
Riparian Areas	2.5 acres of riparian habitat impacted by flooding due to debris accumulation	2.5 acres if riparian habitat improved by debris removal slight impact during access	2.5 acres of riparian habitat impacted by flooding due to debris accumulation	2.5 acres if riparian habitat improved by debris removal moderate impact during access
Scenic Beauty	(FOTG) None present	N/A	N/A	N/A
Wetlands	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impacted.	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impact
Wild and Scenic Rivers	(FOTG) (LDWF scenic streams list) not within scenic stream list.	N/A	N/A	N/A

Completed By: Mike Tullos Mike Nichols

Date: 09/13/2005

DSR NO: _113-05-002R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)	8,275,000	25%	2,687,5000
45 homes @ \$75,000 = \$3,375,000			
30 homes @ \$35,000 = \$1,050,000			
77 homes @ \$50,000 = \$3,850,000			
Total \$8,275,000			
Properties Protected (Public)			
Business Losses			
Other			
Total Near Term Damage Reduction \$			2,687,5000
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			2,653,720

Completed By:  Mike Perry

Date: 10/21/2005

Section 2G Social Consideration This section must be completed by each alternative considered**(attach additional sheets as necessary).**

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Possibility of drowning due to high water in streets.
Has access to a hospital or medical facility been impaired by watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If another event occurs, severe flooding is inevitable.
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, police and health care providers could not access community.

Completed By: MN, MT, WM Date: 10/08/2005

Supplemental page to Section 2F

DSR NO: 113-05-002R

10/21/2005

MICHAEL PERRY

BASED ON MY KNOWLEDGE AND EXPERIENCED OF COMPARIBLE SALES AND REPLACEMENT COST OF SIMILAR HOMES, I ASSIGNED VALUES TO THREE DIFFERENT CATAGORIES OF HOMES IN THE PROJECT AREA. THE PROJECT AREA IS MADE UP OF A TOTAL OF 152 HOMES-45 HOMES IN THE \$75,000 VALUE RANGE, 30 HOMES IN THE \$35,000 VALUE RANGE AND 77 HOMES IN THE \$50,000 VALUE RANGE. THE NUMBER OF HOMES WERE THEN MULTIPLIED BY THE VALUES, AND WERE ADDED TOGETHER TO ARRIVE AT A TOTAL FUTURE DAMAGE FOR USE IN COMPLETING SECTION 2F OF THE DSR FORM.

45 homes @ \$75,000 = \$3,375,000

30 homes @ \$35,000 = \$1,050,000

77 homes @ \$50,000 = \$3,850,000

Total \$8,275,000

REPLACEMENT COST VALUES WERE CALCULATED USING THE MASHALL AND SWIFT HANDBOOK. ALTHOUGH REPLACEMENT VALUES ON THESE HOMES ARE HIGHER THAN THE MARKET DATA COMPARABLES SUGGEST, I CHOSE TO KEY IN ON THE MARKET DATA APPROCH IN ARRING AT THE FINAL ESTIMATED VALUE, BECAUSE IN MY OPINION IT REPRESENTS A MORE FAIR MARKET VALUEAND RELIABLE SALES DATA IS AVAILABLE AND ADEQUATE TO SUPPORT THIS APPROACH.

Site visit completed on 10/01/2005

CREDENTIALS

APPRAISAL APPROVAL AUTHORITY FOR SINGLE FAMILY HOUSING, MULTI FAMILY HOUSING, AND AGRICULTURAL PROPERTIES RECEIVED OCTOBER 1986

Completed over 800 single family housing appraisals, 150 open tract farm land appraisals, and numerous multifamily housing appraisal while employed by the USDA-Farmers Home Administration, later known as USDA-Rural Development.

Attended and completed the USDA Appraisal Training Course in Oklahoma City, Oklahoma. I received certification after completing and passing the 160 hour course.

Section 2H Group Representation and Disability Information**This section is completed only for the preferred alternative selected.**

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	2
Asian Male Hispanic	7
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	152
White Male Hispanic	
White Male Non-Hispanic	100
Total Group	261

Census tract(s) _____ 6057, 6043,6026, 6028,6004,6032, and 6038

Completed By: MDP _____ Date: 10/21/2005 _____

THE INFORMATION OBTAINED IN THIS SECTION WAS OBTAINED FROM CENSUS TRACT DATA LOCATED ON THE LOUISIANA CENSUS DATA WEB SITE. INFORMATION FROM TRACTS 6057, 6043,6026, 6028,6004,6032, AND 6038 WERE USED BECAUSE THEY COMPOSE THE PROJECT PROPOSAL SITE.

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Town of Erath is responsible for easements, permits, and permissions. Permit acquisition and/or consultation will take place for:
C.U.P process
CWA Permit
Water Quality Permit (LDNR/DEQ)
SHPPO notification/documentation

Mitigation Description:

Assessing debris from one side of channel
Debris will be removed and disposed of in an La. DEQ approved landfill
Proposed action will remove stagnant water conditions resulting in lower vector populations and improved community health.
Work will be continuous until complete to reduce impact to wildlife.
Established access routes will be used at all times to reduce damage from vehicular traffic

Agencies, persons, and references consulted, or to be consulted:

Officials with the Town of Erath.
US Corps of Engineers, NOD
US Fish and Wildlife Service
La. Dept of Wildlife and Fisheries
State Historic Preservation Officer (SHHPO)
Department of Health and Hospitals
La Department of Natural Resources
La Department of Environmental Quality, (John Clark).

DSR NO: 113-05-002R

Section 3 Engineering Cost Estimate

Completed By: Wendall Meaux Date: 10/08/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Debris Removal				0.00
Mobilization & Demobilization	1	LS	10,000.00	10,000.00
Channel Obstruction Removal	6,300	LF	3.54	22,313.34
Seeding, Sprigging and Mulching	7	AC	206.57	1,446.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				33,759.34

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

DSR NO: 113-05-002R

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1e
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 113-05-002R

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Debris removal will be completed from one side of the channel and the material will be transported off-site to a LA DEQ approved landfill.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

- ☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
- Chapter 5.2.2.1.2
- Chapter
- Chapter
- Chapter
- Chapter

May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title:

Date: 10/08/2005

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title:

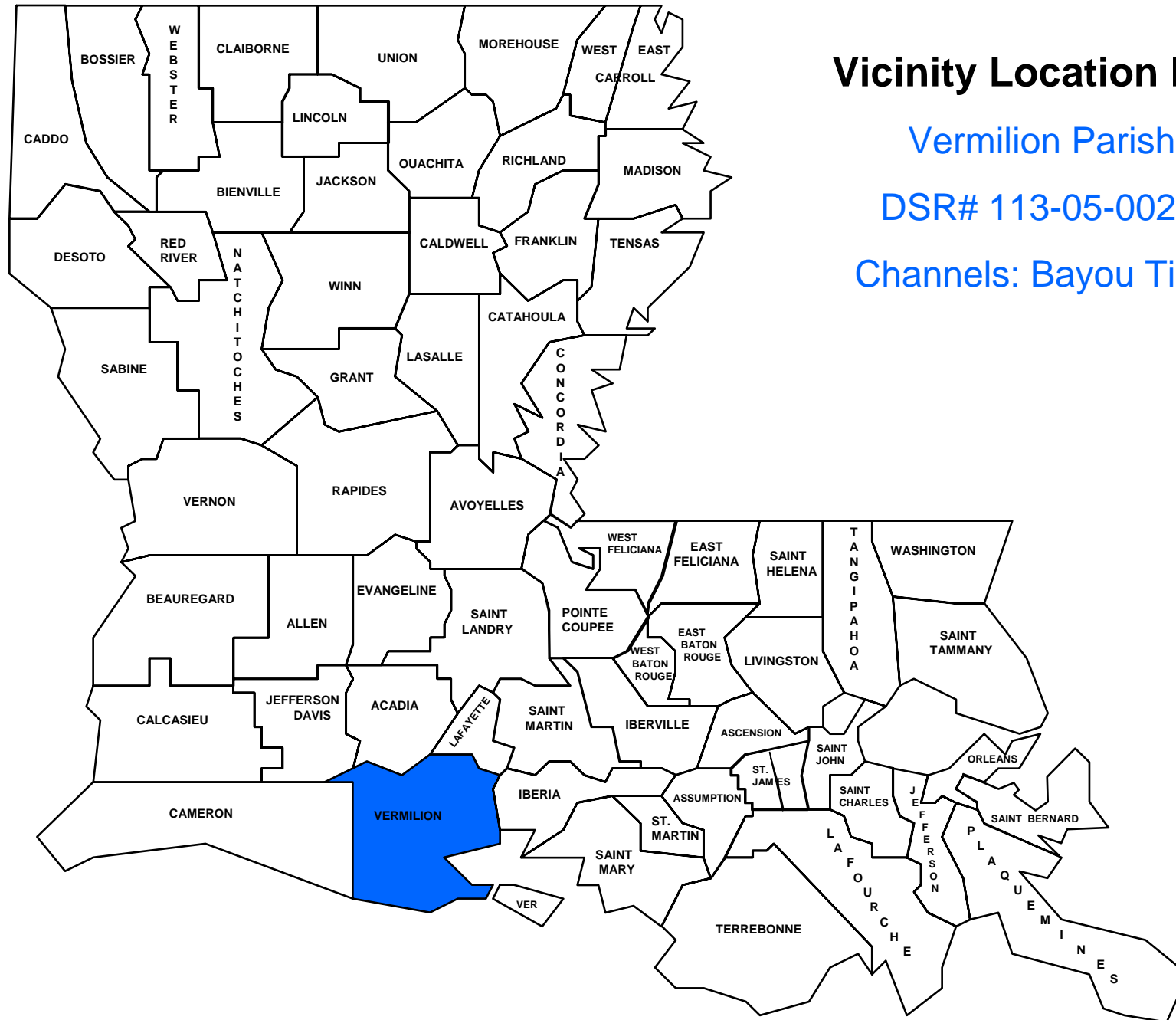
Date:

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS



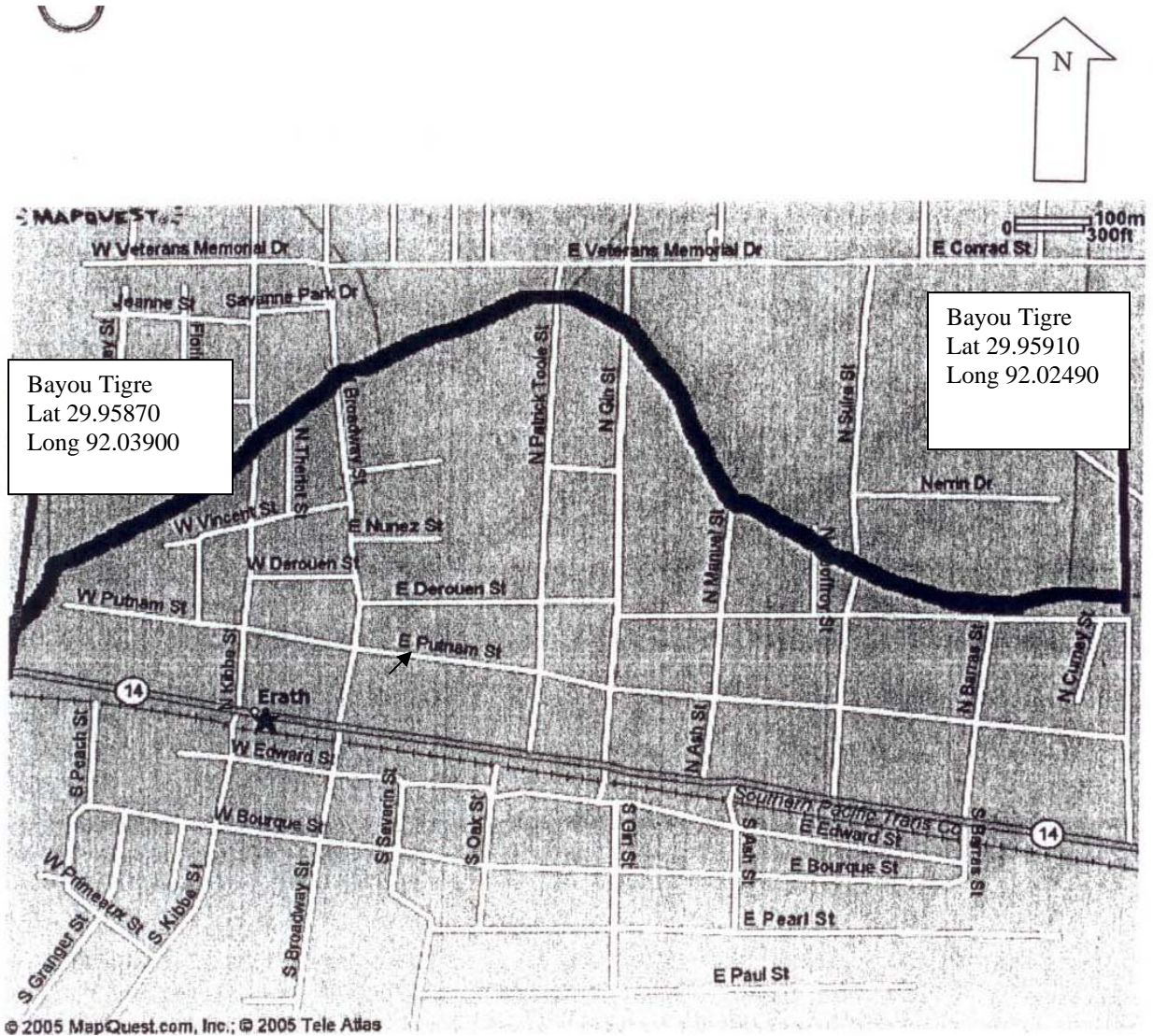
Vicinity Location Map

Vermilion Parish

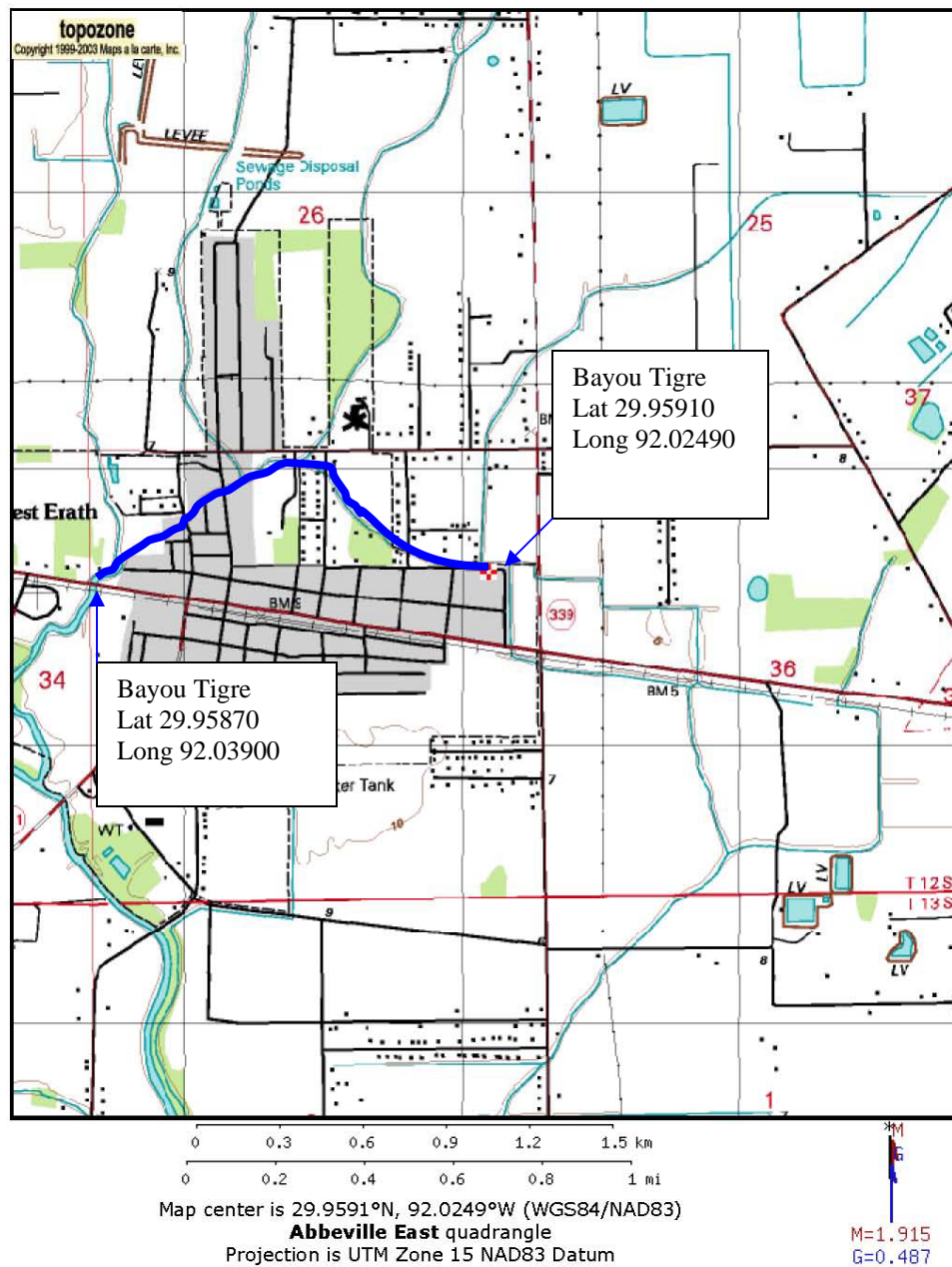
DSR# 113-05-002R

Channels: Bayou Tigre

SITE MAP
DSR 113-05-002R
Channel: Bayou Tigre
Vermilion Parish
Estimated Reach Length 6,300 LF

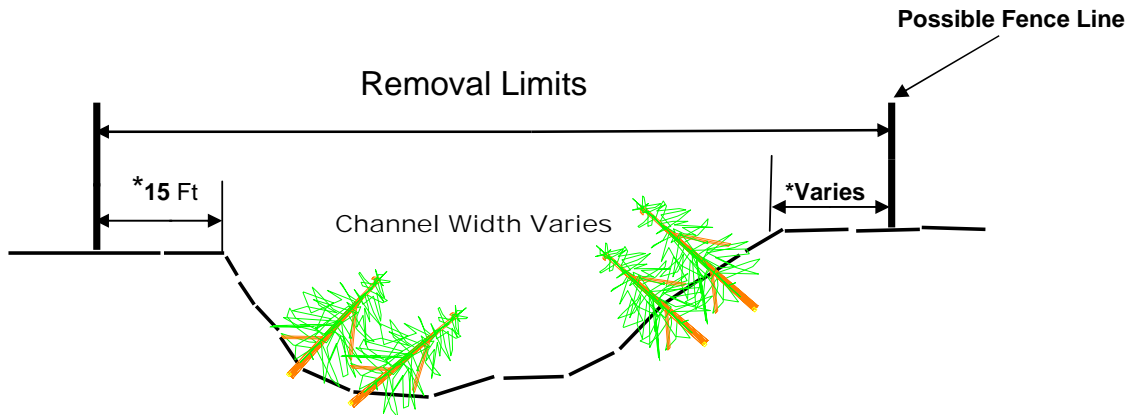


TOPO MAP
DSR 113-05-002R
Channel: Bayou Tigre
Vermilion Parish
Estimated Reach Length 6,300 LF



DSR No:113-05-002R
Channel: Bayou Tigre
SPONSOR/PARISH: Town of Erath

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note:** Rights of way on both sides, however work to be performed on one side only in any reach as concurred in by COTR

Exception it may be possible that trees which were located outside of the the right of way may have fallen into the right of way, these trees will be removed which may be located outside of the work limits.

DSR No: 113-05-002R

Selected Alternative

Vermilion Parish
Town of Erath

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 3-Oct-05

Type of Work:

Debris Removal

Shaded cells require information input

Location of Work:

Township(s)

Range(s)

Section(s)

Quadrangle(s)

Latitude Longitude

Downstream Start:

(Bridge @ Hwy 14)

Upstream End:

(@ N Broussard Street)

Estimated Length of Work Segment (ft):

6,300

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$10,000.00	\$10,000
2	Channel Obstruction Removal	6,300	LF	\$3.54	\$22,313
3	Seeding, Sprigging and Mulching	7	AC	\$200.00	\$1,446
4					\$0
5					\$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost

\$33,759

Performance Time:

Production Rate

1200 Ft/Day

Segment Length

6,300 Ft

Production Time

5 Days

Contract Time

5 Days

Estimated Cost of Equipment with Labor

[Link to Table 1 on Page 2]

Cost per Hour

\$ 425.00

Cost per Day(10hrs)

\$4,250.00

Contract Time

5 Days

Total Cost

\$22,313

Cost per LF

\$3.54

Estimated Cost of Seeding with Labor

[Link to Table 2 on Page 2]

Segment Length

6,300 Ft.

Segment Width

25 Ft.

No. of Segment

2

Acres

7

Cost per Ac

\$200

Total Cost

\$1,446

Comments:

DEBRIS, TREES, LIMBS, ETC WILL BE REMOVED AND HAULED TO DISPOSAL SITE.

SUPPORTING DATA

TABLE 1

Equipment	Rate per Hour	Quantity	Cost per Hour
Skidder	\$ 80.00	0	\$ -
Dozer w/ operator (Sml)	\$ 50.00		\$ -
Dozer w/operator (Lg)	\$ 85.00	0	\$ -
Excavator w/ operator	\$ 120.00	1	\$ 120.00
Dump Truck (14yd)	\$ 70.00	3	\$ 210.00
Dump Truck (20yd)	\$ 125.00	0	\$ -
Supervisor	\$ 35.00	1	\$ 35.00
Chain Saw w/ Operator	\$ 20.00	3	\$ 60.00
Hookman	\$ 9.00	0	\$ -
Labor General	\$ 9.00	0	\$ -
*Optional Work	\$ 50.00		\$ -
			\$ 425.00 Cost/Hr
			\$ 4,250.00 Cost/Day @ 10hrs/day

*Includes providing access road on both sides of channel and removal of debris from both sides of channel.

TABLE 2

Seeding, Sprigging and Mulching

Item	Cost per Ac
Materials	\$100
Labor	\$100
Total	\$200

TABLE 3

Channel Crossings

Type

Location

Impact

DSR No: 113-05-002R

Alternative

Vermilion Parish
Town of Erath

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 3-Oct-05

Type of Work:

Debris Removal

Shaded cells require information input

Location of Work:

Township(s)

12S

Range(s)

4E

Section(s)

34,35

Quadrangle(s)

Abbeville East

Latitude Longitude

Downstream Start: 29.95870 92.03900 (Bridge @ Hwy 14)

Upstream End: 29.95910 92.02490 (@ N Broussard Street)

Estimated Length of Work Segment (ft):

6,300

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$10,000.00	\$10,000
2	Channel Obstruction Removal	6,300	LF	\$4.46	\$28,088
3	Seeding, Sprigging and Mulching	14	AC	\$200.00	\$2,893
4					\$0
5					\$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost

\$40,980

Performance Time:

Production Rate

1200 Ft/Day

Segment Length

6,300 Ft

Production Time

5 Days

Contract Time

5 Days

Estimated Cost of Equipment with Labor

[Link to Table 1 on Page 2]

Cost per Hour

\$ 535.00

Cost per Day(10hrs)

\$5,350.00

Contract Time

5 Days

Total Cost

\$28,088

Cost per LF

\$4.46

Estimated Cost of Seeding with Labor

[Link to Table 2 on Page 2]

Segment Length

6,300 Ft.

Segment Width

50 Ft.

No. of Segment

2

Acres

14

Cost per Ac

\$200

Total Cost

\$2,893

Comments:

TREES & OTHER DEBRIS WILL BE REMOVED & HAULED TO DISPOSAL SITE.

SUPPORTING DATA

TABLE 1

Equipment	Rate per Hour	Quantity	Cost per Hour
Skidder	\$ 80.00	0	\$ -
Dozer w/ operator (Sml)	\$ 50.00		\$ -
Dozer w/operator (Lg)	\$ 85.00	0	\$ -
Excavator w/ operator	\$ 120.00	1	\$ 120.00
Dump Truck (14yd)	\$ 70.00	3	\$ 210.00
Dump Truck (20yd)	\$ 125.00	0	\$ -
Supervisor	\$ 35.00	1	\$ 35.00
Chain Saw w/ Operator	\$ 20.00	6	\$ 120.00
Hookman	\$ 9.00	0	\$ -
Labor General	\$ 9.00	0	\$ -
*Optional Work	\$ 50.00	1	\$ 50.00

\$ 535.00 Cost/Hr

\$ 5,350.00 Cost/Day @ 10hrs/day

*Includes providing access road on both sides of channel and removal of debris from both sides of channel.

TABLE 2

Seeding, Sprigging and Mulching

Item	Cost per Ac
Materials	\$100
Labor	\$100
Total	\$200

TABLE 3

Channel Crossings
Type

Location

Impact

DSR No: 113-05-002R

Section 3 Engineering Cost Estimate Alternative

Completed By: Wendall J Meaux

Date: October 3, 2005

This Section must be completed by each alternative considered (attach additional sheets as necessary)

[illegible]

Unit Abbreviations:			
AC	Acre	LS	Lump Sum
CY	Cubic yard	SF	Square Feet
EA	Each	SY	Square yard
HR	Hour	TN	Ton
LF	Linear Feet	Other	(Specify)